

SOME RESULTS FROM THE APPLICATION OF THE
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The Influence of Polarization and PB-5 Inhibitor
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DESCRIPTORS: *Cadmium, *Indium, *Thallium, *Zinc,
 *Lead, *Smelting, *Particles, Metals, Oxides, Sul-
 fides, Processing, Recovery, *Solvent extraction.

(Metallurgy, TT, v. 7, no. 8)

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USSR

Sci - Biology, microbiology

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Sci - Biology, microbiology

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Sci - Med, sulfate reducing bacteria

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25 pp.

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Sci - Biology, microbiology

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Sci - Chemistry

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Sci - Biology, microbiology

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Sci - Biology, microbiology

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Sci - Biology, microbiology

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Free copies available from Boeing Scientific Research
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DESCRIPTORS: *Microorganisms, *Bacteria, Growth,
Reproduction, Mathematical analysis, *Culture media,
Population, Control, *Germ-free atmospheres.

The most important indices of growth of microbe cul-
tures in stationary and circulating media were exam-
ined and formulas were adduced for the calculation of
the growth rate, the size of the biological mass of the
culture, and the duration of a generation. A charac-
terization of the development of separate microbe in-
(Biological Sciences--Microbiology, TT, v. 9, no. 4)
(over)

Office of Technical Services

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I. Mogilevskii, G. A.

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NATURAL GASES AND OF BACTERIA IN A REGION
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Trans. of Akad[emiya] Nauk SSSR. Inst[itut]
Mikrobiol[ogii]. Trudy, 1961, v. 9, p. 45-56.

DESCRIPTORS: *Natural gas, *Bacteria, Geology,
*Petroleum, Oxidation, Propanes, Methanes,
Hydrocarbons.

In a series of USSR regions investigations were carried
out on the distribution of hydrocarbon oxidizing bac-
teria in subsoil horizons and waters with the goal of
oil and gas prospecting. Determined relationships in
distribution of natural gases and microorganisms on
the zone of deposits were found. Positive results of the
(Earth Sciences--Geology, TT, v. 10, no. 12) (over)

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and others.

**BACTERIAL CHANGE OF PETROLEUM AND OF ITS
COMPONENTS UNDER ANAEROBIC CONDITIONS.**

[1963] [Sp] 3refs

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Trans. of Akad[emiya] Nauk [SSSR], Institut;
Mikrobiolog[i]. Trudy, 1961, v. 9, p. 81-85.

DESCRIPTORS: *Petroleum, Anaerobiology, Micro-
organisms, *Pseudomonas, Biosynthesis, Hydro-
carbons, Nitrogen, Sulfur, Metabolism, Biochemistry.

The effect of bacterial metabolism was investigated on
the transformation of some components in paraffinic
oils. Bacterial biocenoses were produced under
anaerobic conditions on a mineral medium with
petroleum. Stratum waters from several crude oil
fields served for isolation of the biocenoses. Most of
(Biological Sciences--Microbiology, TT, v. 10, no. 12)

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- I. Simakova, T. L.
- II. Kolesnik, Z. A.
- III. Strigaleva, N. V.

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Lovozero and Khibina Massifs -- A Rare-Metal
Biogeochemical Province, by A. A. Dudykina,
E. I. Semenov, 5 pp.

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1. Geological Survey of Canada

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*Another trans. of p. 74-77 is available from LC or SLA at \$2.40, plus \$3.30 as 60-19866 [1960] [11]p.

DESCRIPTORS: Beryllium, Selenium, Tellurium, Scandium, Rubidium, *Deposits, Minerals, Copper, Nickel, Ores, Geochemistry, *Geology, Genetics, Sedimentation, Rare earths.

(Earth Sciences--Geology, TT, v. 7, no. 10) (over)

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Some Laws of Distribution of Selenium and
Tellurium in Copper-Nickel Ores in the
Norilsk District Deposits, by G. G. Zainullin,

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Trans. of [Akademiya Nauk SSSR. Institut Mineralogi,
Geokhimi i Kristallokhimii Redkikh Elementov.
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DESCRIPTORS: *Zirconium, *Hafnium, *Thallium,
*Deposits, Minerals, Geochemistry, *Geology,
Genetics.

Contents:

Genetic types and classification of zirconium and
hafnium deposits, by I. P. Tikhonenko
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its, by V. V. Ivanov.

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